# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 2 | "5578076".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 11:26 |
| L2 | 16 | ("4605002"\|"4655218"\|"5453086" \|"5578076"\|"5618307"\|"5732872" \|"6019790"\|"6695866").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 11:27 |
| L3 | 10 | ("1982209" \| "2626608" \| "3265069" \| "3916908" \| "4106508" \| "4226240" \| "4345600").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/16 12:53 |
| L4 | 0 | (pointed with member) same (arms) same (pivot) same (grip$3) and (heart) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 12:55 |
| L5 | 24 | (pointed with member) and (arms) and (pivot) and (grip$3) and (heart) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 12:56 |
| L6 | 10 | I5 and @pd<"19980715" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 13:08 |
| L7 | 0 | (cap) same (slide$3 with gripper) same (arms with spike) and (heart) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 13:10 |
| L8 | 0 | (cap) and (slide$3 with gripper) and (arms with spike) and (heart) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/16 13:10 |
| S1 | 20 | "5417700" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/07/22 09:13 |

| S2 | 14 | ("1822330" \| "2336689" \| "3513848" \| "3608095" \| "3608539" \| "4050100" \| "4265246" \| "4312337" \| "4369787" \| "4583540" \| "4590929" \| "4635638" \| "4935027" \| "4957498").PN. | USPAT | OR | OFF | 2002/07/22 08:42 |
|----|-----|-----|-----|-----|-----|-----|
| S3 | 108 | "4957498".URPN. | USPAT | OR | OFF | 2002/07/22 08:47 |
| S4 | 83 | ("0984756" \| "1037864" \| "1131163" \| "1155378" \| "1293565" \| "1293660" \| "1449087" \| "1876792" \| "2213830" \| "2601564" \| "2716615" \| "2880728" \| "3073311" \| "3090386" \| "3349772" \| "3470875" \| "3664345" \| "3714671" \| "3807407" \| "3842840" \| "3901244" \| "3946740" \| "4021896" \| "4034850" \| "4038988" \| "4109658" \| "4161951" \| "4164225" \| "4182341" \| "4236470" \| "4266552" \| "4345601" \| "4373530" \| "4471781" \| "4491135" \| "4549545" \| "4580567" \| "4621640" \| "4635638" \| "4823794" \| "4826487" \| "4827931" \| "4834713" \| "4890615" \| "4898155" \| "4917089" \| "4923461" \| "4935027" \| "4957498" \| "4983176" \| "5059201" \| "5100042" \| "5123528" \| "5171257" \| "5181919" \| "5188636" \| "5207693" \| "5217471" \| "5219359" \| "5224948" \| "5242458" \| "5254126" \| "5259846" \| "5261917" \| "5281220" \| "5284488" \| "5300082" \| "5306290" \| "5336191" \| "5344061" \| "5366480" \| "5389103" \| "5433727" \| "5454823" \| "5474057" \| "5478344" \| "5478345" \| "5480406" \| "5571090" \| "5618270" \| "5632751" \| "5632752" \| "5645552").PN. | USPAT | OR | OFF | 2002/07/22 08:56 |

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| S5 | 754 | 606/139.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/07/22 10:23 |
| S6 | 825 | 606/151.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/07/22 10:26 |
| S7 | 362 | 606/153.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/07/22 09:51 |
| S8 | 301 | 606/157.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/07/22 10:23 |
| S9 | 201 | 606/151.ccls. and gripping | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/07/22 10:56 |
| S10 | 36 | 606/151.ccls. and gripping and shaft and rod | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/07/22 10:59 |
| S11 | 13 | 606/151.ccls. and gripping and shaft and rod and cap | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/07/23 15:42 |
| S12 | 1 | 606/159.ccls. and gripping and shaft and rod and (cap same distal) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/07/23 16:04 |
| S13 | 33 | 606/159.ccls. and gripping and shaft | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/07/23 16:04 |
| S14 | 1166739 | 606/151,153,157,159.ccls. and heart valve leaflets | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/01/11 12:27 |

| S15 | 2289 | 606/151,153,157,159.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/01/11 12:28 |
|-----|------|---------------------------|---|----|-----|-----------------|
| S16 | 37 | 606/151,153,157,159.ccls. and(heart adj valve or heart adj leaflet) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/07 12:57 |
| S17 | 2 | "6165183".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/01/11 12:45 |
| S18 | 9 | ("5042707" \| "5209756" \| "5417700" \| "5423858" \| "5478353" \| "5713910" \| "5797927" \| "5810847" \| "5947363").PN. | USPAT | OR | OFF | 2003/01/11 12:45 |
| S19 | 1 | "6165183".URPN. | USPAT | OR | OFF | 2003/01/11 12:48 |
| S20 | 4 | kuehn-stephen.IN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/29 16:56 |
| S21 | 0 | kuehn-stephen.IN. and valve | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/07 13:01 |
| S22 | 2 | "6165183".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/07 13:02 |
| S23 | 9 | ("5042707" \| "5209756" \| "5417700" \| "5423858" \| "5478353" \| "5713910" \| "5797927" \| "5810847" \| "5947363").PN. | USPAT | OR | OFF | 2003/05/07 13:05 |
| S24 | 2 | "6165183".URPN. | USPAT | OR | OFF | 2003/05/07 13:11 |
| S25 | 11 | ("5423882" \| "5450860" \| "5478309" \| "5522873" \| "5824065" \| "5827237" \| "5833671" \| "5879307" \| "5885271" \| "6019722" \| "6165183").PN. | USPAT | OR | OFF | 2003/05/07 13:13 |
| S26 | 1 | "6312447".URPN. | USPAT | OR | OFF | 2003/05/07 13:18 |

| S27 | 404 | (ring near4 tube or tubular) and 606/151.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 17:01 |
|-----|-----|------|------|------|------|------|
| S28 | 1 | (ring with (applicator or tube or tubular) same (spring with lock)and 606/151.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 18:07 |
| S29 | 9 | ("5042707" \| "5209756" \| "5417700" \| "5423858" \| "5478353" \| "5713910" \| "5797927" \| "5810847" \| "5947363").PN. | USPAT | OR | OFF | 2003/05/20 17:06 |
| S30 | 2 | "6165183".URPN. | USPAT | OR | OFF | 2003/05/20 17:14 |
| S31 | 19 | (ring with (applicator or tube or tubular) same (spring) and 606/151.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 18:44 |
| S32 | 16 | (shaft or tube or sheath with cap)same (gripper with rod) and ("606"/$.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 19:11 |
| S33 | 0 | (shaft or tube or sheath with cap near4 pivot)same (gripper near4 arms with rod) and ("606"/$.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 19:14 |
| S34 | 0 | (gripper with arms with pivot) same (cap with pivot with tube or shaft)and ("606"/$.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 19:18 |
| S35 | 0 | gripper with arms)same(cap with pivot)and("606"/$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 19:19 |
| S36 | 0 | gripper with arms)same(cap near4 pivot)and("606"/$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 19:20 |

| S37 | 0 | gripper with arms)same(cap near4 pivot)and("606"/$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 19:20 |
|-----|---|---|---|---|---|---|
| S38 | 0 | gripper with arms)same(cap near4 pivot)and("606"/$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 19:21 |
| S39 | 0 | gripper with arms)same(cap adj4 pivot)and("606"/$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 19:22 |
| S40 | 0 | gripper with arms)same(cap adj4 pivot)and("606"/$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 19:22 |
| S41 | 54 | gripper with arms)and("606"/$. ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 19:32 |
| S42 | 51 | cap with pivot)and("606"/$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/20 19:33 |
| S43 | 0 | (gripper with arms)same (cap with pivot) and (606/157-158,213, 215-217,220-221.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/21 11:40 |
| S44 | 0 | (gripper with arms)same(cap with pivot) and (606/157-158,213, 215-217,220-221.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/21 11:41 |
| S45 | 0 | (gripper with arms)and(cap with pivot) and (606/157-158,213, 215-217,220-221.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/21 11:41 |
| S46 | 0 | ((gripper with arms)and(cap with pivot) and (606/157-158,213, 215-217,220-221.ccls.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/21 11:43 |

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|---|---|---|---|---|---|---|
| S47 | 14 | (gripper with arms)and (606/157, 158,213,215,216,217,220,221. ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/21 12:23 |
| S48 | 4 | "3874388".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/21 12:24 |
| S49 | 9 | ("2493326" \| "2799273" \| "3334629" \| "3397699" \| "3540431" \| "3574865" \| "3592184" \| "3671979" \| "3675639").PN. | USPAT | OR | OFF | 2003/05/21 12:25 |
| S50 | 137 | "3874388".URPN. | USPAT | OR | OFF | 2003/05/21 12:45 |
| S51 | 2 | "6503274".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/21 17:20 |
| S52 | 2 | "6368348".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/21 17:23 |
| S53 | 2 | "6419696".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/21 17:25 |
| S54 | 2 | "6217610".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/21 17:27 |
| S55 | 2 | "5888240".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/21 17:29 |
| S56 | 2 | "6217610".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/21 17:29 |

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|---|---|---|---|---|---|---|
| S57 | 2 | "6406493".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/05/21 17:29 |
| S58 | 8 | hinnenkamp-thomas-f.IN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/27 09:46 |
| S59 | 19 | ("3828787" \| "3860005" \| "4655218" \| "4679556" \| "4683883" \| "4755181" \| "4865600" \| "4932965" \| "5041130" \| "5236450" \| "5350420" \| "5370685" \| "5403305" \| "5443502" \| "5476510" \| "5480425" \| "5578076" \| "5735894" \| "5824068").PN. | USPAT | OR | OFF | 2004/10/27 09:39 |
| S60 | 2 | "5578076".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/27 09:47 |
| S65 | 2 | "5578076".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/29 10:47 |
| S66 | 11 | hinnenkamp-thomas-f.IN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/29 17:03 |
| S67 | 15 | holmberg-william-r.IN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/29 17:06 |
| S68 | 8 | shepherd-terry-l.IN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/29 17:07 |
| S69 | 2 | "6695866".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/30 07:06 |

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|---|---|---|---|---|---|---|
| S70 | 2 | "6165183".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/30 07:06 |
| S71 | 27 | ("3671979" \| "3874388" \| "5042707" \| "5181919" \| "5209756" \| "5403326" \| "5417700" \| "5423858" \| "5425738" \| "5478353" \| "5496310" \| "5549122" \| "5609598" \| "5702048" \| "5713910" \| "5797927" \| "5810847" \| "5855614" \| "5891162" \| "5947363" \| "5954731" \| "5957936" \| "5976164" \| "6017358" \| "6086600" \| "6120513" \| "6269819").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/06/30 07:12 |
| S72 | 1 | ("6695866").URPN. | USPAT | OR | OFF | 2005/06/30 07:26 |
| S73 | 3 | (leaflet adj fastener with arms) and (pivot) and (gripping) and (tissue) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/30 07:29 |
| S74 | 71 | (fastener with arms) and (pivot) and (gripping) and (tissue) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/30 07:44 |
| S75 | 11 | S74 and heart | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/30 07:29 |
| S76 | 59 | (shaft or tube) and (cap) and (arms) and (gripper) and (rod or wire)and (tissue) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/30 07:46 |
| S77 | 5 | S76 and (spike) and (pivot) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/30 07:47 |

| S78 | 94 | ("0002182" \| "0415175" \| "0715612" \| "0816026" \| "1200594" \| "1452373" \| "1906527" \| "1933317" \| "2254620" \| "2356376" \| "2668538" \| "2811971" \| "2910067" \| "3110899" \| "3150379" \| "3203220" \| "3205757" \| "3378010" \| "3526257" \| "3618447" \| "3631707" \| "3716058" \| "4052988" \| "4064881" \| "4162678" \| "4164225" \| "4256251" \| "4345600" \| "4399810" \| "4406392" \| "4448194" \| "4451254" \| "4493322" \| "4506669" \| "4506819" \| "4523591" \| "4523695" \| "4526173" \| "4527725" \| "4527726" \| "4535772" \| "4569469" \| "4591086" \| "4595007" \| "4605002" \| "4610251" \| "4612923" \| "4688560" \| "4712550" \| "4744365" \| "4753636" \| "4815468" \| "4832026" \| "4834098" \| "4841960" \| "4858603" \| "4865032" \| "4869242" \| "4873976" \| "4874122" \| "4887756" \| "4895148" \| "4898186" \| "4899745" \| "4924866" \| "4944742" \| "4973211" \| "4976686" \| "5004469" \| "5007921" \| "5026374" \| "5047047" \| "5156609" \| "5158566").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/06/30 07:56 |
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| S79 | 2 | "5578076".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/28 18:16 |
| S80 | 2 | "5578076".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/02/08 11:33 |